



SMA Male Connector Crimp/Solder Attachment for PE-C240,
 RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A

RF Connectors Technical Data Sheet

PE44637

Configuration

- SMA Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features

- Max. Operating Frequency 12.4 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44637 SMA male connector with crimp/solder attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF and B7808A is part of our full line of RF components available for same-day shipping. Our SMA male connector operates up to a maximum frequency of 12.4 GHz.

Our SMA male connector PE44637 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
Operating Voltage (AC)			333	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length
 Width/Dia.

0.969 in [24.61 mm]
 0.312 in [7.92 mm]

Weight

0.014 lbs [6.35 g]

Mating Cycles

500 Cycles

Mating Torque

3 to 5 in-lbs [0.34 to 0.57 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A PE44637](#)



SMA Male Connector Crimp/Solder Attachment for PE-C240,
 RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A

RF Connectors Technical Data Sheet

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Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Gold
Coupling Nut	Brass	Gold

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

SMA Male Connector Crimp/Solder Attachment for PE-C240, RG8X, 0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

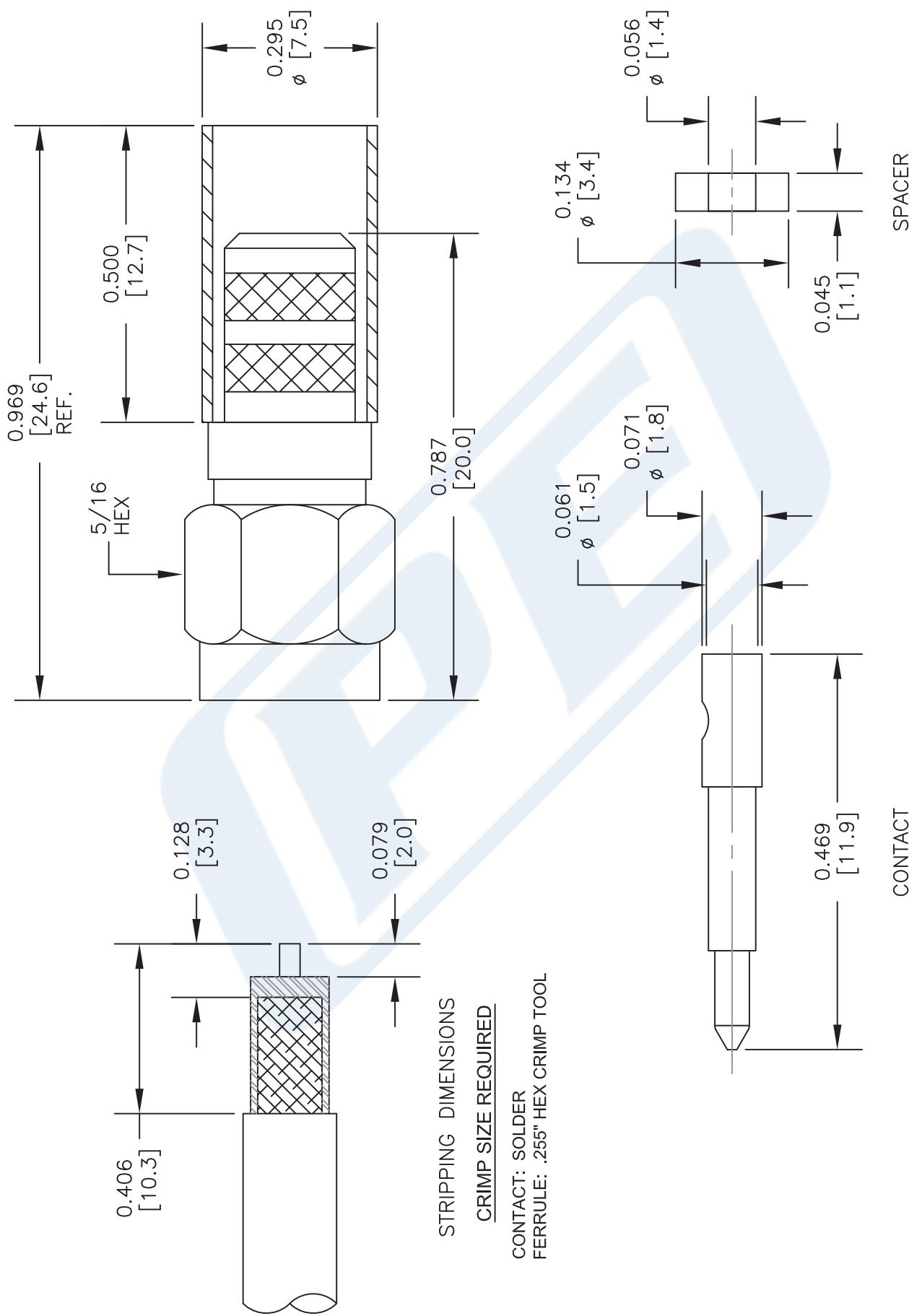
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URL: <https://www.pasternack.com/sma-male-standard-rg8x-pe-c240-0.240-connector-pe44637-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE44637 CAD Drawing

SMA Male Connector Crimp/Solder Attachment for PE-C240, RG8X,
0.240 inch, LMR-240, LMR-240-DB, LMR-240-UF, B7808A



NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].
 4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE
PE44637

FSCM NO. 53919 CAD FILE 050216 SCALE N/A SIZE A 2233

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TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch



TECHNICAL DATA SHEET

PE44635

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch

Configuration

Connector	TNC Male
Connector Interface Type	RG8X,PE-C240,0.240 inch
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

Electrical Specifications

Impedance, Ohms	50
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Mechanical Specifications

Size	
Length, in [mm]	1.103 [28.02]
Width/Dia., in [mm]	0.59 [15]
Height, in [mm]	1.06 [26.92]
Weight, lbs [g]	0.042 [19.05]

Connector

Type	TNC Male
Contact Material and Plating	Brass, Gold
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes
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Plotted and Other Data

Notes:	Values at 25 °C, sea level
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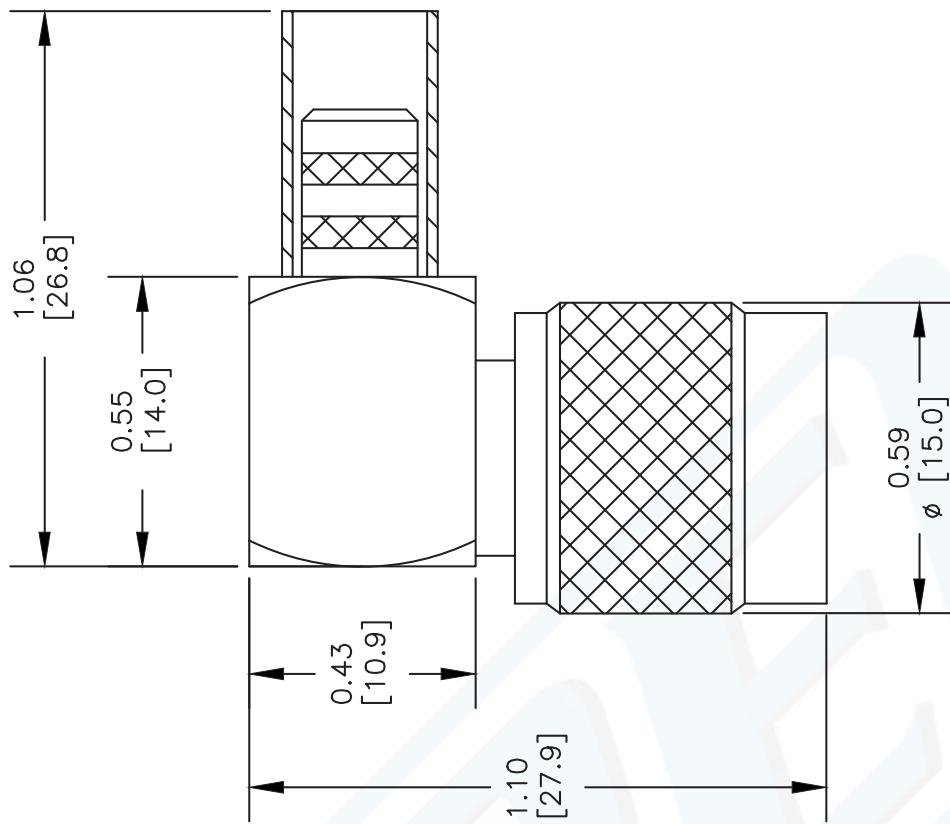
URL: <http://www.pasternack.com/tnc-male-standard-rg8x-pe-c240-0.240-connector-pe44635-p.aspx>

TNC Male Right Angle Connector Crimp/Solder Attachment For RG8X, PE-C240, 0.240 inch from Pasternack Enterprises has same day shipment for domestic and International orders. We maintain 99% availability of the industry's broadest selection of RF, microwave and fiber optic products.

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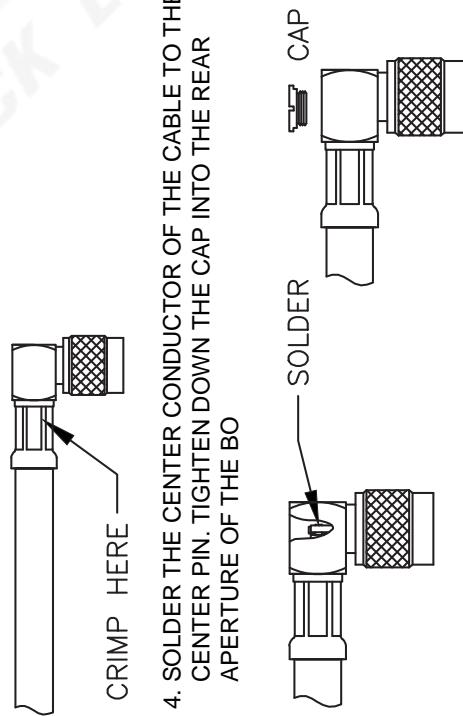
PE44635 CAD Drawing

TNC Male Right Angle Connector Crimp/Solder
Attachment For RG8X, PE-C240, 0.240 inch



ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.
3. SLIDE FERRULE OVER BRAID UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .255" HEX CRIMP TOOL.
4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. TIGHTEN DOWN THE CAP INTO THE REAR APERTURE OF THE BODY.



PASTERNACK®

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PE44635

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REV. B	FSCM NO.	53919	CAD FILE	012012-B	SCALE	N/A	SIZE	A	2233
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Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

TECHNICAL DATA SHEET

RG8X

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Copper Braid
Jacket Material and Color	PVC (NC), Black

Electrical Specifications

Impedance, Ohms	50
Maximum Operating Frequency, MHz	1000
Capacitance, pF/ft [pF/m]	26 [85.3]
Maximum Operating Voltage, Volts	2,500

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	1 [3.28]
Power Handling, KWatts	1

Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	8 [26.25]
Power Handling, Watts	110

Frequency 3

Frequency, MHz	700
Attenuation, dB/100ft [dB/100m]	11.1 [36.42]
Power Handling, Watts	75

Frequency 4

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	13.5 [44.29]
Power Handling, Watts	60

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +80
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Inner Conductor

Number of Strands	19
Material	Copper
Diameter, in [mm]	0.056 [1.42]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8X Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8X](#)

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Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket

TECHNICAL DATA SHEET

RG8X

Dielectric:

Type PE (F)
Diameter, in [mm] 0.155 [3.94]

Shield:

Number of 1
Material 1 Copper Braid

Jacket:

Material PVC (NC)
Diameter, in [mm] 0.242 [6.15]
Color Black
Weight, lbs/ft [Kg/m] 0.041 [0.06]

Compliance Certifications (visit www.Pasternack.com for current document)

Plotted and Other Data

Notes: Values at 25 °C, sea level

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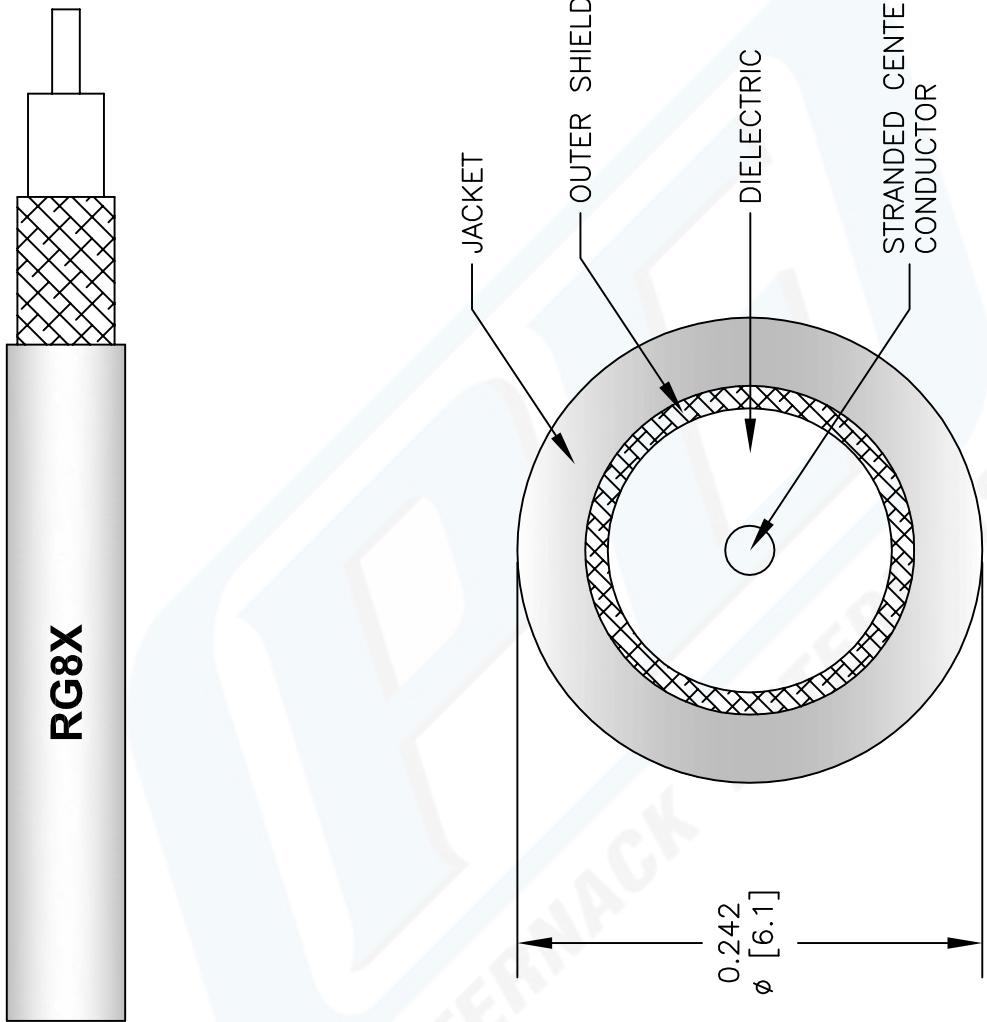
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RG8X CAD Drawing

Flexible RG8X Coax Cable Single Shielded with Black PVC (NC) Jacket



PE PASTERNAK Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasterнак.com E-Mail: sales@pasterнак.com	DWG TITLE RG8X	REV. A	FSCM NO. 53919	CAD FILE	040113-A	SCALE	N/A	SIZE	A	147
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